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Multiplication Tables Check Parent Workshop

Tuesday 30th January 2024



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What is the MTC?

- It is an on-screen check consisting of **25 times table questions**.
- It is statutory for all year 4 pupils
- Your child will be able to answer 3 practice questions before taking the actual check.
- They will then have **6 seconds** to answer each question.
- On average, the check should take no longer than 5 minutes to complete.
- There is no pass mark.





What is the purpose of the MTC?

- The purpose of the check is to determine whether your child can fluently recall their times tables up to 12, which is **essential for future success in mathematics**.
- It will also help us to identify if your child may need additional support.



What is the MTC?



- MathsFrame have mirrored the MTC so children can practise online.
- <https://mathsframe.co.uk/en/resources/resource/477/Multiplication-Tables-Check>
- Have a go now to see what it's like!



When is the MTC?

Between Monday 3rd June and Friday 14th June

- Two-week window to administer the test
- Completed at school
- In school, pupils can sign in to the “try it out” check from mid-April



What if my child cannot access the check?

The check was designed to be inclusive and accessible to as many children as possible, including those with special educational needs or disability (SEND) or English as an additional language (EAL).

Access arrangements are possible.

- Colour overlays
- Font size
- Pause between questions (to a maximum limit of 30 minutes to complete the test) with a 'next' button
- Remove the on-screen number pad.
- Input assistance
- Audio version
- Pupils can **not** have additional time





Why are multiplication tables essential?

- Automatic recall of $6 \times 7 = 42$, allows children to access these questions efficiently.
- They do not need to rely on counting procedures
- This reduces the cognitive load.

$$326 \times 27 =$$

Convert into a mixed number

$$\frac{47}{7}$$

$$\frac{3}{7} + \frac{5}{6}$$

Find

$$\frac{2}{7} \text{ of } 42$$



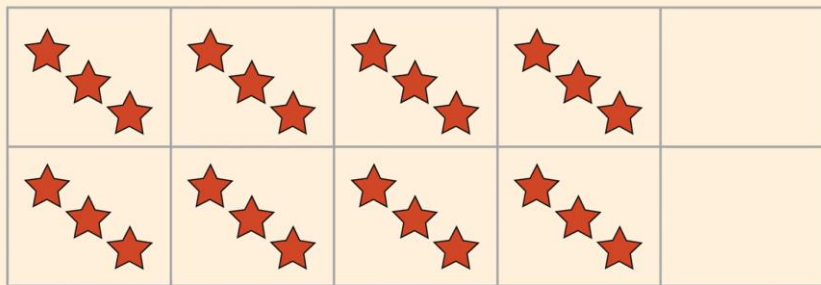
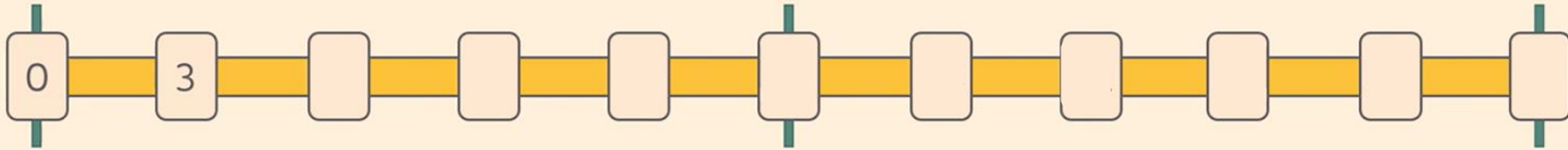
What does Sudbourne do to prepare?

- Daily multiplication practise
- Conceptual teaching of multiplication and the relationships between the tables



What does Sudbourne do to prepare?

- Using derived facts to make connections between times tables
- Use representations of multiplication
- Groupitising



24 stars

$$8 \times 3 = 24$$

$$24 \div 3 = 8$$

$$3 \times 8 = 24$$

$$24 \div 8 = 3$$

What does Sudbourne do to prepare?

- Daily fluency sessions

1) Filling in the booklets
2 minutes

Repeated retrieval of already-known facts

2) Chanting and marking
3 minutes

Repeated oral rehearsal of both already-known and not-yet-known facts

1) Recording scores
2 minutes

Identifying where you need to intervene with targeted support

4) Celebrating and identifying facts to learn
3 minutes

Developing motivation
Targeted support

My 2 Times Table
Practice Booklet

Name: _____

Class: _____

New facts in this booklet:

$$2 \times 2 = 4$$

$$3 \times 2 = 6$$

$$4 \times 2 = 8$$

$$5 \times 2 = 10$$

$$6 \times 2 = 12$$

$$7 \times 2 = 14$$

$$8 \times 2 = 16$$

$$9 \times 2 = 18$$

What does Sudbourne do to prepare?

Five threes
are fifteen

- Multiplication facts are stored in the verbal memory.
- We chant multiplication facts in the same way, always starting with the largest number
- We avoid adding extra words to create a strong verbal link between numbers

$2 \times 3 = \underline{\quad}$

$6 \times 3 = \underline{\quad}$

$9 \div 3 = \underline{\quad}$

$3 \times 4 = \underline{\quad}$

$5 \times 3 = \underline{\quad}$

$3 \times 5 = \underline{\quad}$

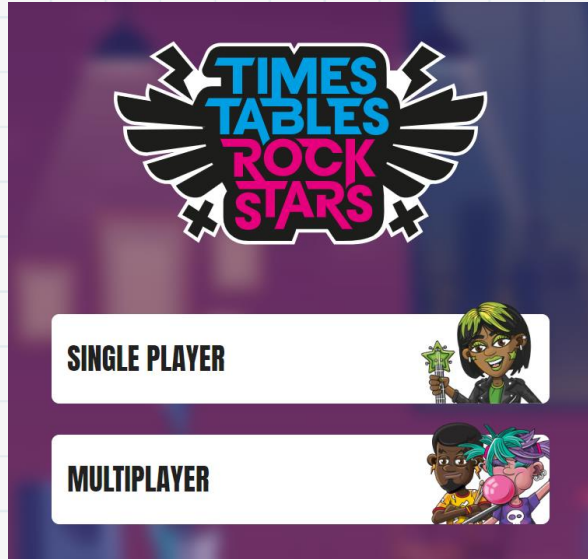
$3 \times 5 = \underline{\quad}$

$12 \div 3 = \underline{\quad}$

$2 \times 3 = \underline{\quad}$

What can I do to prepare for the MTC?

Daily practise



- All children have TTRS logins.
- These are stuck into their reading journals.
- Phase 2 & 3 homework is to practise their times tables every day for at least 10 minutes.

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What can I do to prepare for the MTC?

To see what times tables your child needs to work on, go to TTRS, click their character and click my stats

The screenshot shows the profile page for Aisha Martinez, a new artist. The page includes navigation tabs for Profile, Stats, Charts, Settings, and Downloads. A 'Last Played' indicator shows '29th January 23, 12:19'. A 'Fluency' section displays a heatmap for Sienna-Rae as of 29 Jan 2023. The heatmap shows the time taken to solve various multiplication problems, with greener cells indicating faster completion. The selected range is 2-12x.

Heatmap
How quickly Sienna-Rae correctly answers each individual question. The greener the faster.

2-12x 2-20x Sienna-Rae heatmap as of 29 Jan 2023

	4	8	6	7	9	11	12				
10	10 × 10	10 × 2	10 × 5	10 × 3	10 × 4	10 × 8	10 × 6	10 × 7	10 × 9	10 × 11	10 × 12
2	2 × 10	2 × 2	2 × 5	2 × 3	2 × 4	2 × 8	2 × 6	2 × 7	2 × 9	2 × 11	2 × 12
5	5 × 10	5 × 2	5 × 5	5 × 3	5 × 4	5 × 8	5 × 6	5 × 7	5 × 9	5 × 11	5 × 12
3	3 × 10	3 × 2	3 × 5	3 × 3	3 × 4	3 × 8	3 × 6	3 × 7	3 × 9	3 × 11	3 × 12



What can I do to prepare for the MTC?

You will be able to see how quickly they can answer each question.

	10	2	5	3	4	8	6	7	9	11	12
10	10 × 10	10 × 2	10 × 5	10 × 3	10 × 4	10 × 8	10 × 6	10 × 7	10 × 9	10 × 11	10 × 12
2	2 × 10	2 × 2	2 × 5	2 × 3	2 × 4	2 × 8	2 × 6	2 × 7	2 × 9	2 × 11	2 × 12
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8	8 × 10	8 × 2	8 × 5	8 × 3	8 × 4	8 × 8	8 × 6	8 × 7	8 × 9	8 × 11	8 × 12
6	6 × 10	6 × 2	6 × 5	6 × 3	6 × 4	6 × 8	6 × 6	6 × 7	6 × 9	6 × 11	6 × 12
7	7 × 10	7 × 2	7 × 5	7 × 3	7 × 4	7 × 8	7 × 6	7 × 7	7 × 9	7 × 11	7 × 12
9	9 × 10	9 × 2	9 × 5	9 × 3	9 × 4	9 × 8	9 × 6	9 × 7	9 × 9	9 × 11	9 × 12
11	11 × 10	11 × 2	11 × 5	11 × 3	11 × 4	11 × 8	11 × 6	11 × 7	11 × 9	11 × 11	11 × 12
12	12 × 10	12 × 2	12 × 5	12 × 3	12 × 4	12 × 8	12 × 6	12 × 7	12 × 9	12 × 11	12 × 12

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The colors on this page relate to the speed shown in this table:

0 - 1s	1 - 2s	2 - 3s	3 - 4s	4 - 5s	5 - 6s	6 - 7s	7 - 8s	8 - 9s	9 - 10s	> 10s
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What can I do to prepare for the MTC?

- 6, 7, 8, 9 and 12 times tables are the most likely to come up
- There is an emphasis on the 6, 7, 8, 9 and 12 multiplication tables because these have been determined to be the most difficult multiplication tables.

	10	2	5	3	4	8	6	7	9	11	12
10	10 × 10	10 × 2	10 × 5	10 × 3	10 × 4	10 × 8	10 × 6	10 × 7	10 × 9	10 × 11	10 × 12
2	2 × 10	2 × 2	2 × 5	2 × 3	2 × 4	2 × 8	2 × 6	2 × 7	2 × 9	2 × 11	2 × 12
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12	12 × 10	12 × 2	12 × 5	12 × 3	12 × 4	12 × 8	12 × 6	12 × 7	12 × 9	12 × 11	12 × 12

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0 - 1s	1 - 2s	2 - 3s	3 - 4s	4 - 5s	5 - 6s	6 - 7s	7 - 8s	8 - 9s	9 - 10s	> 10s
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How will the results be used?

- Children will not see their score at the end of the check.
- We will have access to pupil results at the end of June.
- This will allow us to identify pupils who need additional support.
- Class teachers can share the results with you, if you would like to know how your child performed on the MTC.

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HA





Any questions?

The MTC will be between Monday 3rd June and Friday 14th June

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